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INVENTOR-INFORMATION:

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ABSTRACT:

PURPOSE: To shorten lengths of feed and exhaust pipes in a cross-flow type engine with a feed pipe and an exhaust pipe oppositely connected with a cylinder head between by arranging a turbo supercharger and an air cleaner behind the engine.

CONSTITUTION: In a cross-flow type parallel two-cylinder engine 50 in a motorcycle, a feed pipe 78(78a and 78b) in front of a cylinder head 56 and an exhaust manifold 58 in the rear are respectively arranged. At this stage, a turbo supercharger 60 is arranged sideways behind the engine 50, and the collected end of the exhaust manifold 58 to an exhaust inlet of its turbine 62 and a silencer 68 to an exhaust outlet via an exhaust pipe 66 are respectively connected. A suction pipe 74 connected to an air cleaner 70 is connected to a suction inlet of a compressor 64 of the supercharger 60, while a suction outlet is connected to the above-said feed pipe 78 via a feed pipe 80 and a feed box 76.

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